



Tesla, Inc.
Service Bulletin

Inspect Front Roof and Center Spine Appliques for Lack of Adhesion

SB-24-12-008
August 30, 2024

Classification		Section/Group	Mobile Service	Configuration
Recall Bulletin		12 - Exterior Fittings	Can Perform (where permitted)	All
Model	Model Year	Country/Region	Build Location	
Model X	2016	All	Fremont	

The model(s) and model year(s) listed are a general approximation of the affected VIN list. Refer to the VIN/Bulletin Tracker or Customer/Vehicle profile to determine applicability of this bulletin for a particular vehicle.

Recall Bulletin: Recall Bulletins are mandatory service procedures that, unless they can be completed via a software update that a customer installs through the normal course of ownership, must be carried out by Tesla-certified Service Centers. Recall work performed by uncertified technicians could lead to unsafe conditions or voided warranty provisions.

Condition

On some Model X vehicles, the front roof applique and/or center spine applique may have been applied to the roof without the use of primer, which could cause the applique(s) to separate from the roof. This bulletin employs an improved inspection process which replaces the one for SB-20-12-005.

Correction

Inspect the vehicle for symptoms related to the condition. If symptoms are present, replace the center spine and/or front roof applique.

Correction Description	Correction	Time
Inspect Front Roof and Center Spine Appliques; No Lack of Adhesion Found	S012412008	0.24
Inspect Front Roof and Center Spine Appliques; Replace Center Applique	S022412008	1.56
Inspect Front Roof and Center Spine Appliques; Replace Front Roof Applique	S032412008	0.78
Inspect Front Roof and Center Spine Appliques; Replace Center Spine and Front Roof Applique	S042412008	2.10

	Part Number	Description	Quantity
Parts Required	1041362-00-J	ASSY, MX ROOF APPLIQUE – FRONT	1
	1041361-S0-A or 1125009-00-B	ASSY, MX CENTER SPINE APPLIQUE	1
	1059658-00-A	CHEMICAL, BETAPRIME, 10ML	1
	1048645-00-A	DOW BETASEAL EXPRESS	1


These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the [Parts Catalog](#).

Special Tools	1114917-00-A	PCS Vacuum Cups'
	1464781-00-A	SUCTION CUP, 50mm
	1080978-##-B	FORCE GAUGE MARK-10
		North America, Japan 00-B , EMEA 01-B , United Kingdom, Hong Kong 22-B , China, Australia 25-B

Shop Supplies Step Stool, Isopropyl Alcohol (IPA) wipes

Procedure

1. Use IPA wipes to clean the front roof applique to make sure the applique surface is free of dirt or debris.
2. Secure the vacuum cup onto the LH outboard front end of the front roof applique (Figures 1).

 **NOTE:** Ensure the suction cup is completely secured to the applique and not partially over any edges.

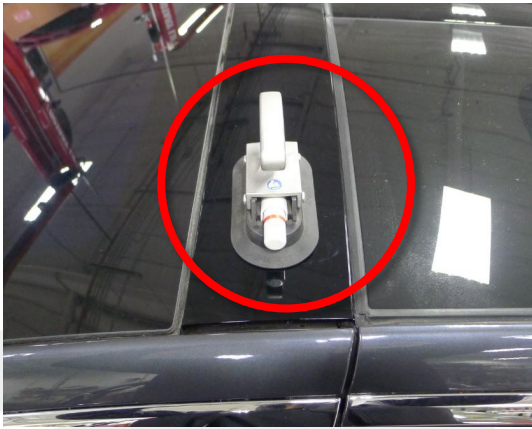


Figure 1 – Vacuum cup for Service Centers



Figure 2 – Vacuum cup for Mobile Service

3. Connect the vacuum cup to the force gauge and slowly pull the vacuum cup up with the force gauge (Figure 3) with at least 120 N of force for 10 seconds.



Figure 3 – Force gauge reading

4. Inspect the front roof applique for any signs of damage or looseness/separation from the roof and note down the force value applied.
 - If the front roof applique is in good condition and remains adhered, continue to the next step.
 - If the front roof applique is damaged, loose, or shows signs of separation, replace the front applique (refer to Service Manual procedure [12206002](#)) and proceed with step 7.
5. Carefully remove the vacuum cup from the center spine applique to prevent accidental damage to the applique and rear door roof glass seals.
6. Repeat steps 2 through 5 on the remaining front roof applique inspection positions (Figure 4). The circles indicate general locations, make sure that the actual suction cup does not overlap the edges.



 **NOTE:** Record the maximum and minimum force value you applied on the front applique in SCA.



Figure 4 – Front roof applique inspection positions

7. Clean the center spine roof applique to ensure that its surface is free of dirt or debris.
8. Secure the vacuum cup onto the LH front corner of the center spine applique (position 7 in figure 5).

 **NOTE:** Ensure the suction cup is completely secured to the applique and not partially over the edge.

9. Connect the vacuum cup to the force gauge and slowly pull the vacuum cup up with the force gauge with at least 120 N of force for 10 seconds.
10. Inspect the center spine applique for any signs of damage or looseness/separation from the roof and note down the force value applied.
 - If the center spine applique is in good condition and remains adhered, continue to the next step.
 - If the center spine applique is damaged, loose, or shows signs of separation, replace the center spine applique (refer to Service Manual procedure [10403002](#)) and proceed to step 11.

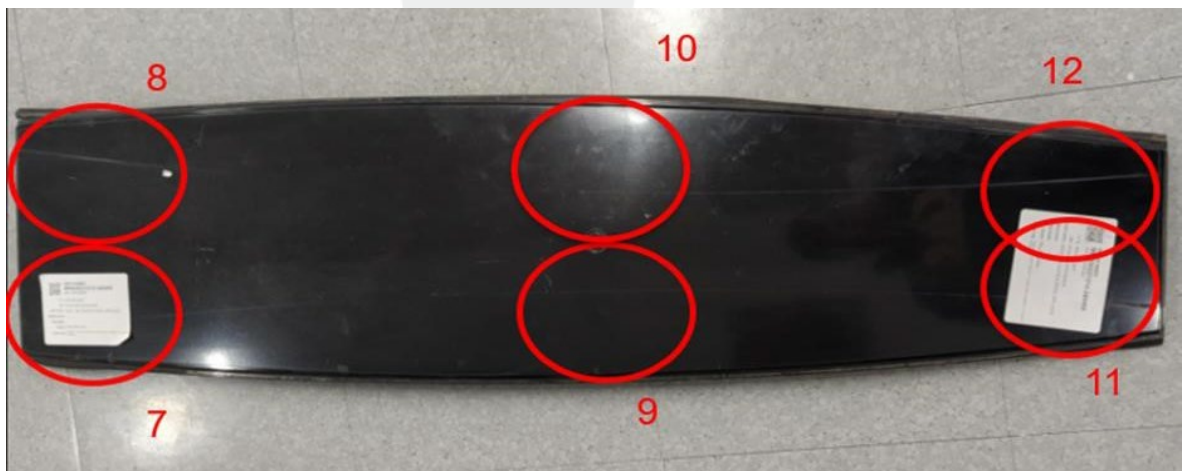


Figure 5 – Center spine applique inspection positions

11. Carefully remove the vacuum cup from the center spine applique to prevent accidental damage to the applique and rear door roof glass seals.
12. Repeat steps 8 through 11 on the remaining center spine applique inspection positions (Figure 5). The circles indicate general locations, make sure that the actual suction cup does not overlap the edges.
13. Allow the adhesive on any replaced applique panel to dry for 1 hour before returning the vehicle to the customer.